GELLIGAER URBAN DISTRICT COUNCIL.

REPORT OF THE

MEDICAL OFFICER OF HEALTH

FOR THE YEAR

1947.

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To the Chairman and Members of the
URBAN DISTRICT COUNCIL OF GELLIGAER.

Ladies and Gentlemen,

I beg to present my Report for the year 1947.

The Report is prepared on lines indicated in Circular 170/47 Wales, and previous relevant Circulars, of the Welsh Board of Health.

Again I have to acknowledge the ever-ready help and encouragement afforded me by the Council , and their Chief Officers. The Staff of the Health Department have continued to give me their loyal and energetic support.

In my report for 1946, I drew attention to the very welcome diminution in the Infantile Mortality Rate. The Report for 1947 shows that this improvement has not been maintained, a very disappointing feature.

On page 3 , an analysis of the causes of the infant deaths is made.

In my Reports for 1945 and 1946, I stated that there had been no deaths from Diphtheria. The same can be said of 1947. Thus, for three successive years there has been no loss of life from this Disease. Each year we strive to increase the number of Immunized Children, so that Diphtheria may be considered a disease of the past.

Late in the year it was decided to introduce Immunization against Whooping Cough. This protective treatment can be given in conjunction with that against Diphtheria. Already a large number of parents have availed themselves of this form of Immunization.

During 1947, 22 houses were completed and occupied.

I am, Ladies and Gentlemen,
Your obedient Servant,

(SIGNED) W. BOWEN OWEN

Medical Officer of Health.

Public Health Department,
Council Offices,
HENGOED, Glam.

STAFF CHANGES

Mr. D. G. Vallis was appointed to the new post of Council's Housing Manager on October 1st., 1947.

Mr. T. Philip Thomas was appointed District Sanitary Inspector, replacing Mr. Vallis - commencing duty on January 1st., 1948.

Miss Margaret Daniel, Health Visitor, resigned on 18th.Jan.1947.

Mrs. G. Bruton was appointed Temporary Health Visitor on 18th.Jan, 1947.

Miss Dorothy Elaine Thomas was appointed permanent Health Visitor, commencing duty on 22nd. September, 1947, when Mrs. Bruton relinquished her appointment.

Miss Mary Curnuck, Chief Clerk. resigned on 31st. August, 1947, on the occasion of her marriage.

Miss Mildred Walker, Clerk in the Surveyor's Department, was promoted to the position of Chief Clerk in the Health Department.

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Contributions in respect of Salaries are made by the County Council towards emoluments of the Medical Officer of Health, the Sanitary Inspectors, Health Visitors, and the Hospital Staff.

The last ascertained Annual Contributions of Subsidy in respect of the various services were as follows :-

Services.	Period of one year ended.	Amount. £	s	d.
Salaries of Medical Officer and Sanitary Inspectors.	31st. March, 1947.	744	0	0
Hospital Establishment Expenses	do.	1376	0	0
Maternity and Child Welfare (block Grant)	do.	1546	0	0

Extracts from the Vital Statistics for the Year.

Population - 35,810.

		Total.	M.	F.
Live Births				
Legitimate	... ...	784.	421.	363.
Illegitimate	... ...	46.	24.	22.
Total	... ...	830.	445.	385.
Still-Births.	Legitimate ...	16.	11.	5.
	Illegitimate ...	-	-	-
	Total ...	16.	11.	5.
Deaths ...	... ...	437.	240.	197.

The number of births occurring in 1947 was the largest for many years.

1939	734.
1940	778.
1941	733.
1942	785.
1943	777.
1944	791.
1945	742.
1946	794.
1947	830.

Deaths during the year numbered 437.

1939	474
1940	435
1941	439
1942	410
1943	427
1944	440
1945	454
1946	422
1947	437.

MATERNAL DEATHS

During the year, 4 Maternal Deaths occurred. All these deaths occurred in Hospital.

One was due primarily to advanced Pulmonary Tuberculosis, one to fulminating toxaemia, one to haemorrhage due to retained placenta, and one to heart failure following prolonged labour.

INFANTILE MORTALITY

	Total	M.	F.
Deaths of Infants under one year	53	33	20
Legitimate	47	29	18
Illegitimate	6	4	2

This is a rate of 64 per 1,000 live births. For 1946, the figure was 54 per 1,000. The figure for England and Wales is 41, but for the Administrative County of Glamorgan it is 51.

The causes of death are tabulated below -

	Infants under 1 month.		Infants between 1 and 12mos.	
CAUSE	Deaths occurring At home.	Deaths occurring In Hospital.	Deaths occurring At home	Deaths occurring In Hospital.
Prematurity	10	9	-	1
Birth Injury	-	5	-	-
Gastro Enteritis	-	-	5	3
Broncho-pneumonia	-	-	3	5
Convulsions	1	-	4	-
Other conditions	1	2	3	-
	12	16	15	9

It is seen that there are two main causes for Infant Death. In those that fail to survive the first month, the cause is prematurity or frailty. Of those that survive the first month, the chief cause of death is Infection.

A factor in the cause of Infant Mortality is the inability or lack of desire of the mother to breast feed the baby.

There is some essential, vital quality missing in the mother which prevents her from producing a strong, healthy infant, and this same missing quality prevents her from providing milk to feed the infant during the first few days of life.

Then the child who lives through the first month of life does not seem to have the capacity to resist infection. The Breast-fed child has greater capacity to resist infection, and does not run such risk of improper feeding, which is the lot of the bottle fed child.

Two things are necessary, first- to improve the capacity of the mother to feed her child - Second - to increase the desire of the mother to feed her child.

Registrar General's Returns.

There were more deaths in 1947 than in 1946.

A comparison of deaths in the past three years is shown -

	1945.	1946.	1947.
No. occurring before the age of 1	70	43	53
No. occurring between 1 and 65	193	157	168
No. occurring upward of 65	195	222	216

The chief causes of death were as follows :-

	M.	F.	Total.
Deaths from Heart Disease	51	47	98
Deaths from Cancer	27	24	51
Deaths from Intra-cranial Vascular lesions	29	23	52
Deaths from Bronchitis	23	19	42
Deaths from Measles	1	0	1
Deaths from Whooping Cough	0	0	0
Deaths from Diarrhoea (under 2 yrs) ...	9	1	10
Deaths from Tuberculosis of Respiratory System	7	11	18
Deaths from other forms of Tuberculosis...	1	2	3
Deaths from Road Traffic Accidents and ... other violent causes	10	3	13

Total number of deaths from all forms of Tuberculosis was 21.

Deaths from this disease, for the past few years, are as follows :-

1939	28
1940	30
1941	24
1942	22
1943	31
1944	22
1945	27
1946	15
1947	21

Deaths from Cancer

1939	55
1940	43
1941	41
1942	49
1943	37
1944	61
1945	45
1946	57
1947	51

MATERNITY AND CHILD WELFARE.

The following are the Clinic Time Tables :-

MATERNITY AND CHILD WELFARE CLINICS

Clinic	Day	Time.
Bargoed	Every Monday.	10.0. a.m. to 12.30 p.m. 2.o. p.m. to 4.30 p.m.
Pontlottyn	Every Tuesday	2.0. p.m. to 4.30. p.m.
Pengam	Every Wednesday	9.30 a.m. to 12 noon.
Gelligaer	Alternate Wednesdays	2.0. p.m. to 4.30 p.m.
Bedlinog	Alternate Thursdays	10.0. a.m. to 12 noon.
Trelewis	Alternate Thursdays	2.o. p.m. to 4.30 p.m.
Deri	Alternate Thursdays	10.o. a.m. to 12 noon.
Tochriw	Alternate Thursdays	2.0. p.m. to 4.30 p.m.
Darphil	Alternate Fridays	10.30. a. m. to 12 noon.
Brithdir	Alternate Fridays	10.30 a.m. to 12 noon.
Gefn Hengoed.	Alternate Fridays	2.o. p.m. to 4.30 p.m.

ANTE NATAL CLINICS.

Clinic	Day	Time
Bargoed	Every Thursday	2.p.m. to 4.30 p.m.
Pengam.	1st. and 3rd. Monday in every Calender month.	10.0. a.m. to 12.30 p.m.
Trelewis	4th. Monday in every Calender month.	10.0. a.m. to 12.30.p.m.
Pontlottyn.	1st. and 3rd.Tuesday in every Calender month.	10.0.a.m. to 12.30 p.m.

POST NATAL CLINIC

Clinic	Day	Time
Bargoed	4th. Tuesday in every Calender month.	10.0. a.m. to 12 noon.

RH. CLINIC.

Clinic	Day	Time
Bargoed	1st. and 3rd. Monday in every Calender month.	10.0. a.m. to 12 noon.

During the year under review the activities of the Maternity and Child Welfare Department were continued and increased

The re-arrangement of Health Visitors' Districts, as outlined in my Report for 1946, proved to be satisfactory, and was continued during the year. The additional Clinic sessions, commenced in 1946, proved of value.

THE HOME HELP SCHEME commenced in 1946, was continued during 1947. Thirty three homes were provided with a Home Help, and many tributes were paid to the Home Helps for their kind and efficient service.

When the Housing difficulty is eased, greater use of the Home Help Service can be advised. This will ease the pressure on Maternity Hospital Beds, and will make possible the early admission of mothers whose condition is not wholly satisfactory.

Our experience during the past year of operating a Home Help Service was encouraging.

ADMISSION TO MATERNITY HOSPITALS.

The number of mothers admitted to hospital through the Council's scheme was as follows :-

Llwynypia Hospital	81
Tydfil Lodge	51
Glyncornel	25
Gwaunfarren House	4
Central Homes, Pontypridd	4
Glossop Tce.	2
Total	167

In 1946, 25.8% of mothers were confined in Voluntary or Municipal Hospitals or Private Nursing Homes.

The percentage for 1947 is 21%

THE INVESTIGATION OF THE RH. FACTOR in Expectant and Nursing mothers was continued during the year. Mothers attending the Clinic for this examination numbered 147. In addition, 14 husbands also attended.

ATTENDANCE AT MATERNITY AND CHILD WELFARE CLINICS

Clinic	Number of children under 1 on register.	Number of children over 1 on register.	Total attendances
Bute Town	3	8	22.
Pontlottyn	87	117	1287
Tirphil	27	38	358
Brithdir	43	21	380
Deri	32	70	457
Fochriw	28	43	338
Bargoed	174	279	2767
Pengam	150	68	1394
Gelligaer	111	80	855
Cefn Hengoed	45	37	320
Ystrad Mynach	70	116	1439
Bedlinog	54	68	602
Trelewis	34	51	448
	858	996	10,678

The Clinics continue to be satisfactorily attended.

Clinics are of value - not only for advice and treatment obtainable there, but also because the atmosphere of the Clinic stimulates the mothers to take advantage of the available services, and fosters a healthy pride in the appearance and progress of the Infants.

"Better Health", the official journal of the Central Council for Health Education, is sold at the Clinics, and continues to be fairly well received.

At each Clinic, there is a Representative of the Local Office of the Ministry of Food, to undertake the distribution of Orange Juice, Cod Liver Oil, and Vitamin supplements.

The Services of the County Orthopaedic, Dental, Vision, and Tonsil Clinics continue to be available to the young children of the area.

For some years, Dr. A. G. Watkins, M.D., F.R.C.P., has been Consultant in Children's Diseases to the Authority. During 1947, 21 children, whose progress was unsatisfactory, were referred to Dr. Watkins.

Care of Premature Children

Whenever possible, an immediate visit is made by the Health Visitor, and advice given regarding the special care necessary. Co-operation between the Midwife and the Health Visitor is maintained.

In addition, a special food for premature and delicate babies is kept at the Health Department, and is immediately available in these cases.

During the year, 44 births were notified of babies who weighed 5½ lbs. or less -

Weight at Birth	Number notified.	Born at Home.	Born in Hospital.
2½ lbs. or less	2	2	-
3 lbs.	5	4	1
3½ lbs.	4	2	2
4 lbs.	3	2	1
4½ lbs.	6	6	-
5 lbs.	12	6	6
5½ lbs.	12	7	5
	44.	29	15

Care of Illegitimate Children

These Infants are visited as early as possible. Special encouragement is given to the mothers to make regular attendance at the nearest Welfare Clinic. The Authority's Scheme for assisting the needy operates in these cases. Hospital Service for the expectant mother, and assistance to obtain milk foods are provided by the Authority.

ANTE NATAL CLINICS.

Clinic.	No. on register.	Total attendances.
Pontlottyn	93	329
Bargoed	333	1128
Glanynant	140	361
Ystrad Mynach	100	250
Trelewis	85	240
	751	2308

Dr. P. Garfield Evans conducts the Ante Natal Clinics.

It is evident from consideration of attendance records of the Clinics that the mothers appreciate the Service, and are prepared to co-operate in the endeavour to safe guard the health and welfare of the unborn and themselves.

It is pleasing to note that the Midwives attend the Clinics as regularly as possible, while liason with the family doctor has always been a feature of the Service.

In view of the close co-operation between the hospital Ante Natal Clinic and our Clinics, in view of the Ambulance arrangements for taking mothers to the hospital Clinic and to the hospitals for confinement; in view of the co-operation between the family doctors, the Midwives and our Maternity Service, it is difficult to know how the Service can be improved.

But improvement is necessary, some drastic alteration in the approach to Maternity is required. "The proof of the pudding is in the eating". The proof of Maternity and Child Welfare is in Infant Mortality

Infant Mortality in Gelligaer is high, therefore the Service is not producing the desired results.

Will better housing, better food, better Clinics, better nurses, better doctors produce better results ? In part, yes.

The two outstanding requirements are

First - greater facilities for the treatment of the mother who is below par. The Ante Natal Clinic should be able to send a mo who is not quite fit to a convalescent home for rest and recuperation. This would have a great effect on Neo Natal Mortality.

Second- the mother must be educated to realise that breast feeding can and must be done.

This would have a great effect on such disasters as Gastro Enteritis, Pneumonia, and Convulsions - the diseases which kill the babies.

Following attendance at the Clinics, recommendation for Hospital confinement was made as follows :-

Medical reasons	61
Home difficulties	90

In addition, Emergency admission was made in 26 cases.

A few mothers recommended for admission refused to enter Hospital.

The number of emergency admissions is too high. There are a few mothers who seek no Ante Natal Advice, nor even engage a Midwife prior to confinement. Some of these have to be admitted to Hospital at a moment's notice. This conduct endangers life, and places a great strain on Maternity Hospitals.

The mother who attends the Clinics or seeks the guidance of a Midwife or Doctor can be given every attention and every assurance that ample preparation for her confinement is made.

In the best planned service, Emergencies will occur, but the Emergency that could have been avoided is wrong.

POST NATAL CLINIC

This Clinic is held at Bargoed once a month and has to serve five Ante Natal Clinics. It is not well attended - possibly as the distances are too great for the mothers to travel.

The total attendances were 56, and the number on the Register was 42.

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Home Visiting

First visits to Expectant Mothers :-

Nurse Williams	11	
Nurse Lewis	17	
Nurse Morgan	98	
Nurse Thomas	54	180

Total visits to Expectant Mothers :-

Nurse Williams	11	
Nurse Lewis	21	
Nurse Morgan	150	
Nurse Thomas	65	247

visits to Infants under one year :-

Nurse Williams	175	
Nurse Lewis	187	
Nurse Morgan	167	
Nurse Thomas	145	674

Total visits to Infants under one year :-

Nurse Williams	1282	
Nurse Lewis	1153	
Nurse Morgan	850	
Nurse Thomas	807	4,092

Total visits to children under five years :-

Nurse Williams	882	
Nurse Lewis	1464	
Nurse Morgan	839	
Nurse Thomas	1340	4,525

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PREVALENCE OF, AND CONTROL OF INFECTIOUS AND OTHER DISEASES.

The incidence of Infectious Diseases was not disturbing during the year.

Parents were not encouraged to send into hospital children suffering from Scarlet Fever. Cases were admitted if the presence of an Infectious Disease in the home was prejudicial to the Public Health, or where home circumstances were difficult.

NOTIFIABLE DISEASES (OTHER THAN TUBERCULOSIS) DURING THE YEAR, 1947

Disease.	Total cases notified.	Cases admitted to hospital.
Diphtheria	35	35 *
Scarlet Fever	93	14
Puerperal Pyrexia	3	2
Pneumonia	11	4
Polio Myelitis	1	1
Measles	807	4
Croup	2	2
Bronchitis	2	2
Erysipelas	5	1
Tuberculous Meningitis	2	2
Dysentery	1	1
Cerebro-Spinal Fever	2	2
Ophthalmia Neonatorum	1	-
Encephalitis Lethargica	1	1

NOTIFICATION OF INFECTIOUS DISEASES - AGES DISTRIBUTION

Disease	Under 1 yr.	1-2	2-3	3-4	4-5	5-10	10-15	15-20	20-35	35-45	45-65	Over 65	To
Diphtheria	1	-	1	4	3	6	9	3	7	-	1	-	3
Scarlet Fever	-	2	3	7	9	44	23	4	1	-	-	-	9
Puerperal Pyrexia	-	-	-	-	-	-	-	-	3	-	-	-	3
Pneumonia	-	2	1	1	-	-	3	-	2	-	2	-	1
Polio-Myelitis	-	-	-	-	-	1	-	-	-	-	-	-	
Croup	-	1	-	1	-	-	-	-	-	-	-	-	
Bronchitis	2	-	-	-	-	-	-	-	-	-	-	-	
Erysipelas	-	-	-	-	-	-	-	1	-	2	2	-	
Tuberculous Meningitis	-	2	-	-	-	-	-	-	-	-	-	-	
Dysentery	-	1	-	-	-	-	-	-	-	-	-	-	
Cerebro-Spinal Fever	-	-	-	-	-	1	-	-	1	-	1	-	
Ophthalmia Neonatorum	1	-	-	-	-	-	-	-	-	-	-	-	
	4	8	5	13	12	52	35	8	14	2	6		15

TUBERCULOSIS

AGE PERIODS	New Cases				Deaths.			
	Pulmonary.		Non pulmonary		Pulmonary		Non pulmonary.	
	M.	F.	M.	F.	M.	F.	M.	F.
0 - 1	-	-	-	-	-	-	-	-
1 - 5	1	-	-	3	1	-	-	1
5 - 10	3	1	1	1	-	-	-	2
10 - 15	1	1	-	-	-	-	-	-
15 - 20	2	3	-	1	-	1	-	-
20 - 25	1	4	-	2	1	1	-	-
25 - 35	3	11	1	-	-	3	-	-
35 - 45	1	1	-	-	3	2	-	-
45 - 55	3	-	-	-	-	3	-	-
55 - 65	-	-	1	-	1	1	-	-
65 and upwards.	2	1	-	-	1	-	-	-
	17	22	3	7	7	11	-	3

Total number of deaths from Tuberculosis - 21
Number of deaths of notified cases - 18
Number of deaths of non-notified cases - 3
Ratio of deaths of non-notified cases to total deaths - 1:7

Every newly notified case of Tuberculosis is visited by the Health Visitor.

With the appointment of an additional Health Visitor, it is hoped that regular follow-up visits will be possible.

When housing conditions are difficult, an approach is made to the Welsh National Memorial Association, with a view to early admission to Hospital of the patient.

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IMMUNISATION AGAINST DIPHTHERIA

The work of Immunisation was pursued during the year.

By Birthday Card and visiting by the Health Visitors, parents were encouraged to bring their babies to the Infant Welfare Centres to receive treatment.

I again toured the district in the Ambulance, to immunise the children at their homes.

In addition, the parents of every child entering school were approached, so that immunisation or re-immunisation was carried out. Re-immunisation is advised for all school entrants who were immunised in infantcy.

During the year, 780 children were immunised, 698 under 5 years of age, and 82 between 5 and 15, were given the complete course of treatment.

Immunisation was commenced in Gelligaer in May, 1940. The number immunised each year is as tabulated below :-

Year	No. of children immunised
1940	816
1941	1,859
1942	3,504
1943	1,350
1944	820
1945	939
1946	851
1947	780

This year again, the number of children immunised exceeds the number of children alive at the end of their first year of life.

In a population that is fairly static, this is the target. Thus, the Immunisation record in Gelligaer is satisfactory.

Immunisation against Whooping Cough.

Towards the end of the year, the Council made available this preventive service. An immediate and lively response has been experienced.

Infants under one year are given three injections of combined Whooping Cough and Diphtheria Antigen, while older children who have already been immunised against Diphtheria are given the Whooping Cough Antigen alone.

Schick testing of the 'under ones' has shown that the protection against Diphtheria is satisfactory. Parents are requested to inform the Medical Officer of Health if the children, at any time, suffer from Whooping Cough.

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INFECTIOUS DISEASES HOSPITAL

The Infectious Diseases section of the Hospital was not very busy during the year. Only 71 patients were admitted.

Admissions were made on notification of, or because of suspected disease, as follows :-

Scarlet Fever	13
Cerebro Spinal Fever...	3
Diphtheria	38
Pneumonia	2
Puerperal Fever..	2
Measles and Pneumonia	3
Dysentery	1
Tuberculous Meningitis	2
Polio Myelitis	1
? Polio Myelitis	1
Measles	4
Erysipelas	1
	71

Corrected Diagnosis :-

Scarlet Fever	15
Pnuemococcal Meningitis	1
Sub-Arachnoid Haemorrhage... ...	1
Diphtheria	3
Tonsillitis	19
Pyaemia	1
Miliary Tuberculosis...	2
Puerperal Sepsis	2
Laryngitis	4
Measles	8
Quinsy	6
Diphtheria Carrier	1
Gastro Enteritis	2
Pneumonia	1
Polio Myelitis	1
Encephalitis	1
T.B. Meningitis	1
Erysipelas	1
Measles and Pneumonia	1
	71

Deaths

Meningococcal Meningitis -	1
Tuberculosis -	1
Tuberculous Meningitis -	1

For the third year is succession, I am able to report that there were no Deaths from Diphtheria.

Our Tuberculosis Wards were not fully occupied during the year. Staffing difficulties compelled us to close a few beds for a short period.

Number of patients admitted during the year -	44
Number transferred to other Welsh National Memorial Association Institutions, or discharged ... ... -	40
Died -	4

HOUSING

During the year, the Council completed 22 new houses.

The Graig, Hengoed - 10 'Steel Houses'
Ystrad Mynach - Central St. - 4 Traditional Houses
Ystrad Mynach - Pantycelyn St. - 8 Traditional Houses.

I am indebted to Mr. F. R. Wharton, the Council's Surveyor and Engineer, for the following data :-

a)	Number of houses completed and occupied during 1947	- 22.
b)	Number partly completed during 1947	-290
c)	Number sanctioned and not commenced	- Nil
d)	Total number of houses completed and occupied since 1918	- 590

By Private Enterprise, Building Societies, etc.

a)	Number of houses completed and occupied during 1947	- Nil
b)	Number partly completed during 1947	- Nil
c)	Number for which plans were passed but not commenced during 1947	- 1

As already mentioned, Mr. D. G. Vallis was appointed Housing Manager on October 1st.

As housing is becoming one of the major responsibilities of the Council, a new department has been created to carry out the Council's policy in respect of house-letting, maintenance of property, and welfare of tenants.

Where as financial matters remain in the care of the Accountant, physical maintenance of housing remains in the care of the Surveyor.

The Housing Manager is charged with the duty of assisting and advising tenants to create and maintain clean and comfortable homes.

CLEANSING CLINIC

This Clinic which deals with cases of Scabies, Impetigo, and Lice Infection of Heads, continued to function throughout the year.

Most of the patients attending were school children. Mothers and adult female patients are also treated. Treatment of male adults is not undertaken - but the mothers are carefully taught how to deal with the infection.

During the year, 46 new patients were treated. Each patient is given three or four weekly treatments. This usually succeeds in clearing the infection of Scabies. Re-infection occurs in a small percentage of cases and can usually be traced to an untreated case at home.

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SUNSHINE CLINIC

This Clinic was continued throughout the wintermonths of the year.

88 children suffering from debillity were treated, and many were considerably improved by the treatment.

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CARDIFF AND COUNTY PUBLIC HEALTH LABORATORY.

Specimens and samples, as indicated below, were examined at the Laboratory on behalf of the Council :-

Diphtheria	67
Haemolytic Streptococci	9
Cerebro Spinal Fluid	4
Pleural Fluid	2
Faeces ? Dysentery	1
C.S.F. ? T.B	1
Milks	75
Waters	9
Ice Creams	51

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WATER SUPPLY

I am indebted to Mr. W. H. James, B.Sc., A.M.INST.C.E.,Engineer to the Rhymney Valley Water Board, for the report on the water supply in the area :-

"Relative to the water supplied within the area of the Gelligaer U.D. Council, the following bacteriological samples were analysed during the year ending 31st. March, 1948 :-

Chemical Analyses

		Remarks
a- Raw Water	1	A soft neutral water of good quality for a raw water.
b-Filtered Water	1	Chemical analysis shows a reduction of colour and suspended matter.
c-Filtered and Chlorinated	2	1) A soft neutral water; the chemical and microscopical characters are satisfactory. 2) The chemical and physical character are satisfactory.
Total	4	

Bacteriological Analyses

Satisfactory	8	
Moderate	3	
Doubtful	1	(Raw water. Satisfactory after filtration and chlorination) "

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FOODS AND DRUGS (ADULTERATION) ACT, 1928

I am indebted to Superintendent J. W. Folland for the following report :-

" The following samples were collected and submitted to the Public Analyst, Cardiff and County Public Health Laboratory, The Parade,Cardiff, for analysis :-

No.	Description	Result of Analysis
36.	Milk	Samples F.47,49,56,74 and 110 were deficient of non fatty solids. Remainder genuine.
3	Butter	Genuine
4	Margarine	Genuine
3	Cooking fat	Genuine
2	Process cheese	Genuine
1	Skimmed Milk	Genuine
1	Malt vinegar	Genuine
2	Peas	Genuine
1	Saxa Salt	Genuine
1	Cake Flour	Genuine
1	Frutella Sauce	Sample infested with meal mites. (Tyroglyphus Farinae) Vendor warned by Clerk of County Council.
1	White Pepper	Genuine
1	Macaroni	Genuine
1	Mixed Spice	Genuine
1	Coffee & Chicory	Genuine
1	Soup	Genuine
1	Sauce Powder	Genuine
1	Torox	Genuine
1	Pudding Mixture	Genuine
1	Rice Cake	Genuine
1	Barley Pudding Mixture	Sample infested with meal mites. (Tyroglyphus Farinae). Vendor warned by Clerk of County Council.
1	Custard Powder	Genuine
2	Orangeade	Genuine
1	Prunes	Genuine
1	Jelly	Genuine
70	Total.	

Contagious Diseases of Animals

No outbreak of contagious diseases of animals was reported during the year.

Population

No Police census of the population was taken during the year."

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SENIOR SANITARY INSPECTOR'S REPORT
FOR THE YEAR - 1947

I beg to submit my Report upon the Sanitary Administration in the Area :-

Number of Inspections made

As a result of notifiable Infectious Diseases	49
As a result of Complaints	185
Dairies, Cowsheds and Milk Shops	302
Factories (including Bakehouses, Sausage-making Establishments, etc.)	434
Schools	56
Markets	29
Ordinary Inspections made(including Cinemas, Public Buildings, Meat Shops, Provision Shops, and Offensive Trades)	1002
Vans and Sheds	-
Total	2057
Number of Re-visits	837

The following is a Schedule of Work done under the Public Health Acts

Number of Informal Notices Served (P.H.Act, 1936)	437
Number of Statutory Notices served(P.H.Act,1936)	174

Control of Civil Buildings

During the year, 359 Licences were granted for works of maintenance on properties in the Area.

The aggregate estimate cost of the works was £16,389.

There are, in the Area, 95 Farms Registered where milk is produced, and 72 Registered Purveyors.

MILK (Special Designation) ORDER, 1936

Number of Licences granted to retail Tuberculin Tested Milk -	2
Number of Licences granted to Bottle Pasteurised Milk -	5
Number of Licences granted to Pasteurise Milk -	2
Number of premises licensed for bottling Tuberculin Tested Milk-	1
Number of Farms where Tuberculin Tested Milk is produced -	4
Number of Farms where Accredited Milk is produced -	4

Number of Milk Samples taken in the Area for Bacteriological Examination

Tuberculin Tested Milk (Certified)	4
Pasteurised Milk	23
Accredited Milk	3
Non - Graded Milk	57

Reports received of 6 samples taken by the County Police are included in the above figures.

Result of Analysis shows :-

	Satisfactory.	Unsatisfactory.	Total Samples
T.T.Milk -			
Imported	-	-	
Local	4	-	4
Accredited-			
Imported	-	-	
Local	-	3	3
Pasteurised-			
Imported	8	2	
Local	10	3	23
Ungraded -			
Imported	3	-	
Local	40	14	57
	65	22	87

Number of Samples taken for examination for Tubercle Bacilli - 24

Diseased and Unsound Food Condemned

Articles	Diseased or unsound	No. of Articles	Weight in lbs.
Beef	Unsound	7	1,944
Mutton	Unsound	1	104
Offal	Diseased		41
Baconand Ham	Unsound	7	88
Other Foods	Unsound	2,274	4,878
			7,055

Total - 3 tons 3 cwts.

Slaughter of Animals Act, 1933

Number of persons holding licences as Slaughtermen - 13

Number of Carcases Inspected during the year

Cattle	Sheep	Pigs
-	-	93

Factories Act, 1937

There are, in the District, 67, Factories, including Bakeries, Sausage-makers, Joiners, Motor Engineers and various other trades.

Without mechanical power to which sections 1,2,3,4,6, & 7 applies 36

With mechanical power to which section 7, only, applies 31

Number of Inspections made during the year ... 434

Notices served -
Want of cleanliness 4
Structural repairs 2

There are no outworkers in the District.

Rodent Control

The following disinfestation work was carried out during the year -

Sewers

Two maintenance treatments of sewers were carried out- one in April, one in October.

Number of manholes baited - 2,030.

Eight men were employed during each period.

Results The total number of bait takes showed a reduction of approximately one third as compared with 1946.

Refuse Tips The Council's Refuse Tips were also treated twice during the year, by fumigation.

Number of holes dealt with - 61

River Banks and Brooks The banks of all water courses have been similarily dealth with by fumigation.

Number of holes gassed - 229.

These continue to be the three main sources of infestation in the District, and still need regular periodical treatment in order to maintain a measure of control. Most of the surface infestations that have occurred have been traced to one of these sources.

Surface Infestations The number of surface infestations dealth with and cleared - Dwelling houses - 34. Estimated kill -85
Business premises - 29. Estimated kill -139

This entailed 402 visits to these buildings for the purpose of inspection, prebaiting, and post-baiting.

Yours faithfully,

SIGNED) H. J. BROWN.

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